



EXPRESS MAIL NO. EK102712514US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| SERIAL NO.: | 08/160,965 | § | DOCKET: | P00965US0 |
| FILING DATE: | 12/02/93 | § | | |
| APPLICANT: | Musser et al. | § | EXAMINER: | Ja-Na Hines |
| TITLE: | Vaccines Containing Cysteine Protease and Methods to Protect Against Group A Streptococci | § | ART UNIT: | 1641 |

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3-3001

AMENDMENTS AND RESPONSE UNDER 37 C.F.R. 1.111

Box Response
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed December 19, 2000, Applicants respectfully request entry of the following amendments and reconsideration of the application in view of the amendments and remarks that follow.

AMENDMENTS

In the Claims:

Please amend claims 1, 3- 6, 10, and 12 as follows.

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1. (Amended three times) A vaccine [for use in an animal against Group A streptococcal infection,] comprising:

a physiologically acceptable non-toxic vehicle containing a [conserved] purified cysteine protease, which confers [in an amount sufficient to confer] immunity to a mammal against Group A streptococcal infection, selected from the group

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F1